

Title (en)

Rate conversion digital filter.

Title (de)

Digitaler Filter zur Änderung der Abtastfrequenz.

Title (fr)

Filtre numérique pour convertir la fréquence d'échantillonnage.

Publication

**EP 0180989 A2 19860514 (EN)**

Application

**EP 85114190 A 19851107**

Priority

JP 23540984 A 19841108

Abstract (en)

A finite impulse response digital filter includes a first selector (107) for alternately selecting samples of first and second data streams at intervals T, and a second selector (108) for alternately selecting samples of the first and second data streams at intervals T in a manner complementary to the first selector (107). First and second subfilters are clocked at frequency 1/T and respectively responsive to the outputs of the first and second selectors (107, 108). The subfilters comprise a common register network (129-134, 140-145) for introducing different incremental delay times to the outputs of the first and second selectors (107, 108) and supply the delayed signals to a demultiplexer (150). (Fig. 2.)

IPC 1-7

**H03H 17/06**

IPC 8 full level

**H03H 17/00** (2006.01); **H03H 17/02** (2006.01); **H03H 17/06** (2006.01)

CPC (source: EP US)

**H03H 17/0292** (2013.01 - EP US); **H03H 17/0664** (2013.01 - EP US); **H03H 2218/08** (2013.01 - EP US)

Cited by

GB2422505A; EP0383326A3

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 0180989 A2 19860514**; **EP 0180989 A3 19861126**; **EP 0180989 B1 19900725**; DE 3578868 D1 19900830; JP S61113314 A 19860531; US 4893265 A 19900109

DOCDB simple family (application)

**EP 85114190 A 19851107**; DE 3578868 T 19851107; JP 23540984 A 19841108; US 79514785 A 19851105